

**APCD/AQMD RULE EVALUATION FORM -- Page 1**  
(Electronic Format)**I. GENERAL INFORMATION**District: Placer County Air Pollution Control DistrictRule No(s): 242 Date adopted/Amended/Rescinded: April 10, 2003Rule Title(s): Stationary Internal Combustion EnginesDate Submitted to ARB: July 22, 2010If an Amended Rule, Date Last Amended (or Adopted): NAIs the Rule Intended to be Sent to the U.S. EPA as a SIP Revision? ☒ Yes ☐ No (If No, do not complete remainder of form)District Contact: John Finnell Phone Number: (530) 745-2324 E-mail Address: jfinnell@placer.ca.govNarrative Summary of New Rule or Rule Changes: ☒ New Rule ☐ Amended Rule

Rule 242 regulates stationary internal combustion engines by establishing standards for nitrogen oxide (NOx) and carbon monoxide (CO) in four categories of engines. They are: spark-ignited rich burn engines, spark-ignited lean burn engines rated 100 horsepower or less, spark-ignited lean burn engines rated greater than 100 horsepower, and diesel engines.

Rule 242 requires performance testing every 24 months.

Engines that are rated at 50 horsepower or less, used for emergency power, agricultural operations, research or teaching programs, test stands for evaluating engines and engines used less than 200 hours per year are exempt from the requirements of this rule.

Pollutant(s) Regulated by the Rule (Check): ☐ ROG ☒ (NOx) ☐ SO2  
☒ (CO) ☐ PM ☐ TAC (name): \_\_\_\_\_**II. EFFECT ON EMISSIONS**

Complete this section ONLY for rules that, when implemented, will result in quantifiable changes in emissions. Attach reference(s) for emission factor(s) and other information. Attach calculation sheet showing how the emission information provided below was determined.

Net Effect on Emissions: ☐ Increase ☒ Decrease ☐ N/AEmission Reduction Commitment in SIP for this Source Category: 0.1 tons per dayInventory Year Used to Calculate Changes in Emissions: 2005 Area Affected: All areas of Placer County:  
Sacramento Valley, Mountain Counties, Lake TahoeFuture Year Control Profile Estimate (Provide information on as many years as possible):  
NA

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Baseline Inventory in the SIP for the Control Measure: 1990

Emissions Reduction Commitment in the SIP for the Control Measure: 0.1 tons per day

Revised Baseline Inventory (if any): NA

Revised Emission Reduction Estimate (if developed): NA

*Note that the district's input to the Rule Evaluation Form will not be used as input to the ARB's emission forecasting and planning.*

**III. SOURCES/ATTAINMENT STATUS**

District is: ☐ Attainment ☐ Nonattainment ☒ Split

Approximate Total Number of Small (<100 TPY) Sources Affected by this Amendment: 9

Percent in Nonattainment Area: 89%

Number of Large ( $\geq$  100 TPY) Sources Controlled: 0 Percent in Nonattainment Area: NA%

Name(s) and Location(s) (city and county) of Large ( $\geq$  100 TPY) Sources Controlled by Rule (Attach additional sheets as necessary): NA

**IV. EMISSION REDUCTION TECHNOLOGY**

Does the Rule Include Emission Limits that are Continuous? ☒ Yes ☐ No

If Yes, Those Limits are in Section(s) Section 301, Limits, Subsection 301.1 of the Rule.

Other Methods in the Rule for Achieving Emission Reductions are: Section 301, Limits, Subsection 301.3 which allows removal or replacement with an electric motor in accordance with an applicable compliance schedule.

**V. OTHER REQUIREMENTS**

The Rule Contains:

Emission Limits in Section(s): Section 301, Limits, Subsection 301.1 Work Practice Standards in Section(s): Section 302, Engine Operator Inspection Plan

Recordkeeping Requirements in Section(s): Section 500, Monitoring and Recordkeeping, Subsection 501, 502 and 503

Reporting Requirements in Section(s): Section 400, Administrative Requirements, Subsection 402, Reporting Requirements; and Section 500, Monitoring and Recordkeeping, Subsection 503

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**VI. IMPACT ON AIR QUALITY PLAN**

☐ No Impact      ☐ Impacts RFP      ☒ Impacts attainment

Discussion: The rule was included as a Nitrogen Oxide (NOx) control measure in the Sacramento Area Regional Ozone Attainment Plan, which was adopted by the District Board on December 20, 1994. VOC emissions and Oxides of Nitrogen (NOx) emissions are precursors to the photochemical formation of Ozone. The Attainment Plan was adopted in response to the 1990 Amendments to the Federal Clean Air Act (CAA), which required areas designated "serious" for Ozone by the United States Environmental Protection Agency (USEPA), to submit a State Implementation Plan (SIP) revision.